

# Office of Public Health Preparedness and Response

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New Health Official Orientation  
April 27, 2017

# Office of Public Health Preparedness & Response (OPHPR)

A team of responders in white hazmat suits and respirators are walking along railroad tracks. They are carrying equipment, including a yellow gas cylinder on the back of one person. The scene is outdoors with trees in the background and orange traffic cones on the right.

**Mission:**  
Respond more effectively to health emergencies  
(at home, abroad, natural, or man-made)

# Safeguarding America from Health Threats

## CDC Public Health Responses

2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Marburg Virus;  Hurricanes: <b>Katrina, Rita, and Wilma</b>	Mumps;  Tropical Storm Ernesto;  E. Coli Spinach/ Botulism Carrot Juice;  E. coli;  Rhode Island Mycoplasma	XDR/MDR TB;  Hurricane Dean	Satellite Intercept;  Salmonella and E.Coli Outbreaks;  Hurricanes: Dolly, Gustav, Hanna, and Ike, Tropical Storm Edouard	Salmonella typhimurium Outbreak;  <b>H1N1 Influenza;</b>  Biowatch;  Operation Earthquake;  Presidential Inauguration	NH Anthrax;  Haiti Earthquake;  Deepwater Horizon Oil Spill;  Haiti Cholera Outbreak	Japan Earthquake and Tsunami;  Hurricane Irene;  Polio Eradication Response (Polio)	Polio;  Multistate Meningitis Outbreak;	Avian Influenza H7N9 Response;  Middle East Respiratory Syndrome Coronavirus (MERS-CoV);  Multistate Cyclospora Outbreak;  Polio	MERS-CoV;  Un-Accompanied;  <b>Ebola Response;</b>  Polio	DoD Sample Investigation;  <b>Ebola Response;</b>  Polio	<b>Ebola Response;</b>  <b>Zika Virus Response</b>  Flint, Michigan Water Contamination Response;  Polio	<b>Zika Virus Response;</b>  Polio



U.S. Department of  
Health and Human Services  
Centers for Disease  
Control and Prevention



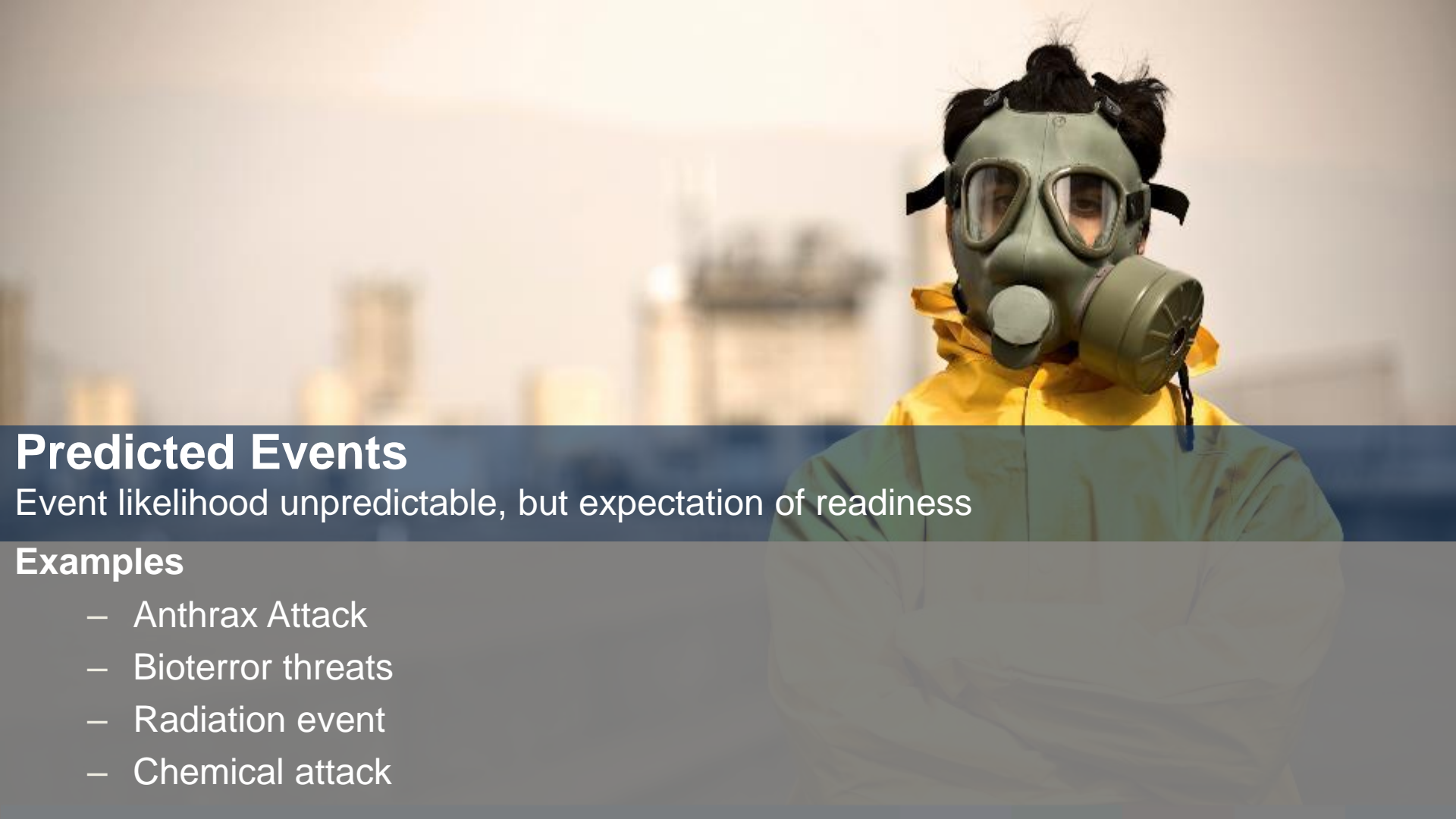


# Predictable Events

An event will occur, exact timing / magnitude unknown

## Examples

- Gulf Coast, East Coast → Hurricanes
- Great Plains and Midwest → “Tornado Alley”
- California and West Coast → Earthquakes and Wildfires



## Predicted Events

Event likelihood unpredictable, but expectation of readiness

### Examples

- Anthrax Attack
- Bioterror threats
- Radiation event
- Chemical attack





# Emerging Events

Event unexpected or without precedent

## Examples

- Ebola
- Zika
- SARS
- MERS-CoV
- Opioid epidemic

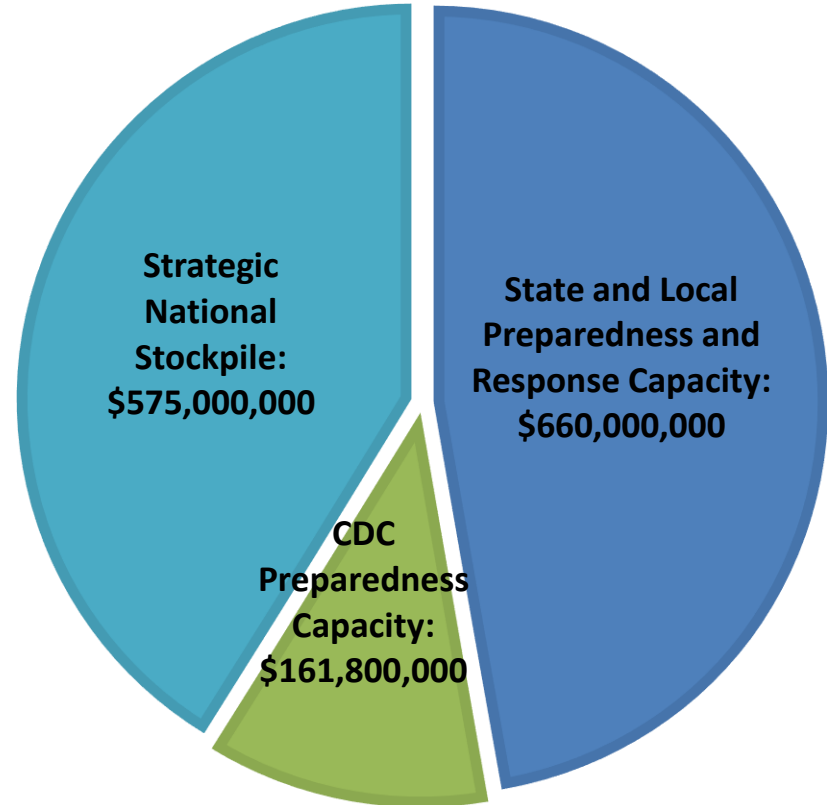
# FY2016 PHSR Total Funding

## Two Biggest Programs

- Public Health Emergency Program  
→ State and Local Preparedness
- Strategic National Stockpile

## Additional Programs

- Emergency Management Program
- Select Agent Program
- Support for cross cutting efforts
  - Laboratory Response Network
  - National Syndromic Surveillance Platform





## State and Local Readiness

Prepares national public health system for emergency response

- Public Health Emergency Preparedness (PHEP)
- 50 state, 4 city, and 8 territorial awardees
- Supports and sustains response-ready health departments
- Funds state and local public health preparedness staff (e.g., epidemiologists, laboratorian, emergency responders)





## Strategic National Stockpile

- Repository of life-saving pharmaceuticals and medical supplies
- Procures, stores, and delivers supplies
- Provides technical support to state and local health departments

## Select Agents and Toxins

- Regulates the possession, use, and transfer of select biological agents and toxins that threaten public health and safety
- 272 entities registered with Federal Select Agent Program
  - 234- Division of Select Agents and Toxins(DSAT) at CDC
  - 38- Agriculture Select Agent Services (AgSAS) at USDA
- Responsible for the Etiologic Agent Import Permit Program
  - Issue permits for the importation of agents, hosts, and vectors of human disease in the United States (e.g. 36 Zika specimens, 2017)

**BIOHAZARD**

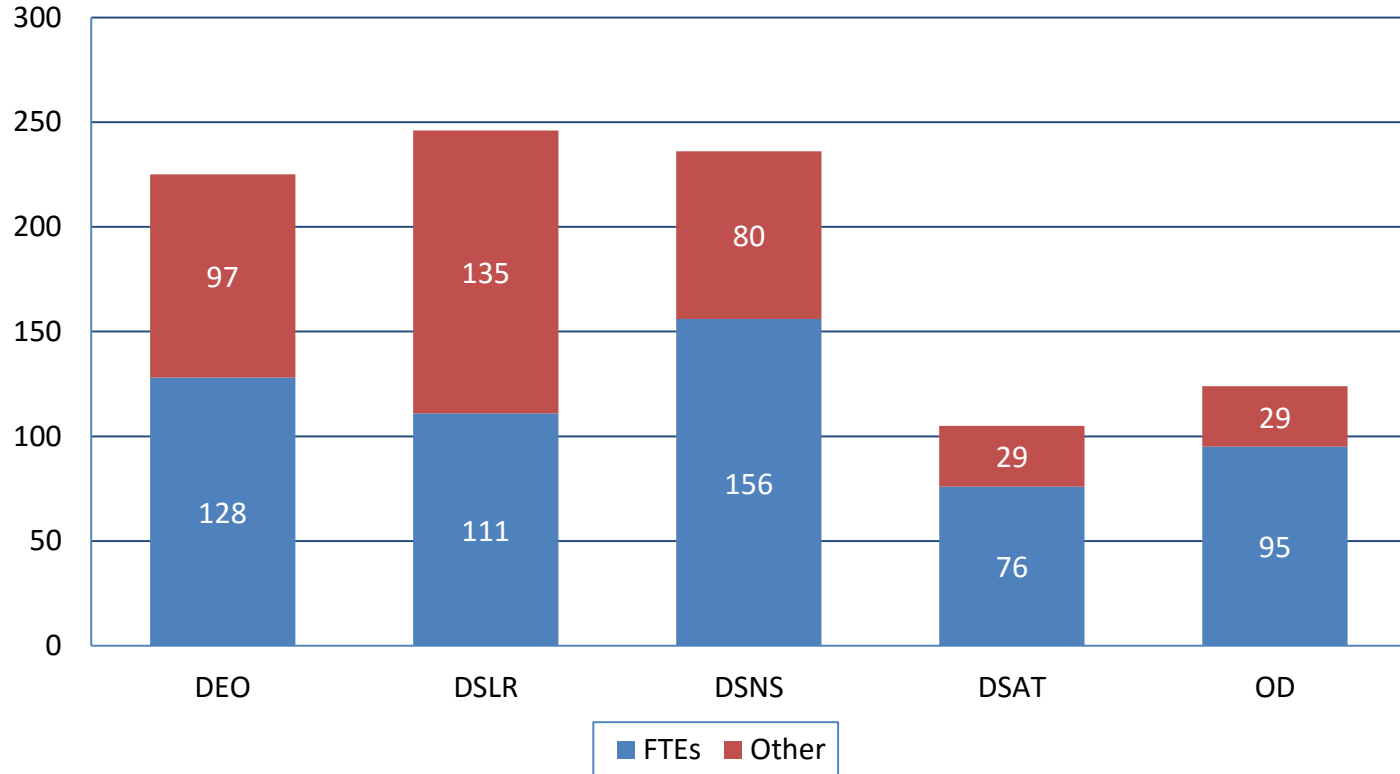
The background of the slide is a photograph of an Emergency Operations Center. It shows several large computer monitors displaying maps and data. In the foreground, a person is seated at a desk, looking at a monitor. The room has a professional, high-tech appearance with wooden paneling and multiple workstations.

## Emergency Operations Center

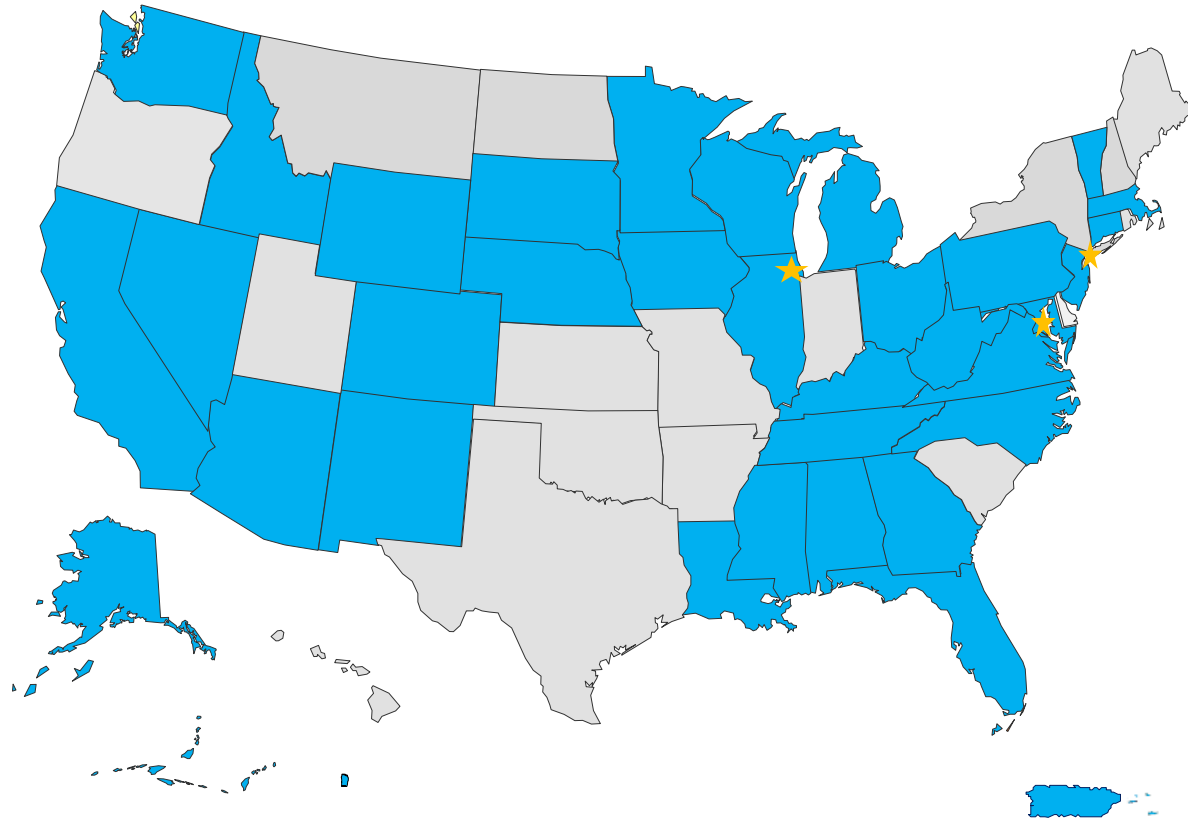
- Coordinates preparedness, assessment, response, recovery, and evaluation for public health emergencies
- Responsible for Emergency Operations Center (EOC)—command center for coordinating emergency responses
- EOC staffed 24/7/365 to provide worldwide situational awareness
- Central point of contact for state agencies reporting public health threats



# OPHPR Staffing



# OPHPR-Funded Field Staff



Field Staff Assigned



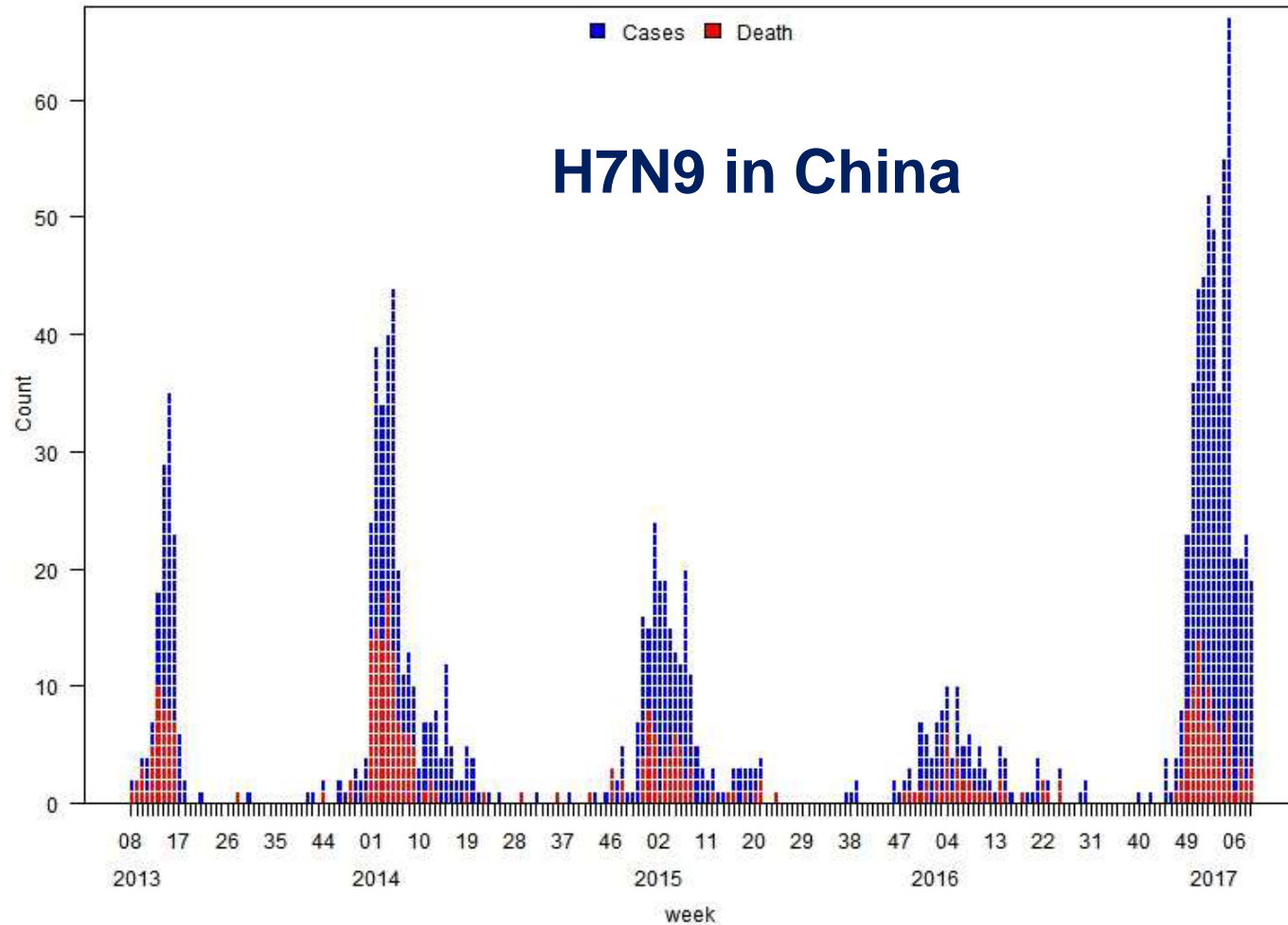
Staff Assigned to City

# Zika Response Forecast

- Revision to CONUS plan, end of April
- Updated guidance on laboratory testing for Zika (aka lab testing algorithm), end of April
- Epidemiology in Caribbean / Mexico => Likelihood of local transmission
- Vaccine work continuing
- Long term needs exposed (vector control capacity, pregnancy and birth defects surveillance)



Number of confirmed human H7N9 cases and deaths, as reported to WHO  
by week, as of 2017-3-13



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The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

